C. AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:
receiving data at a bridge controller from a source device for a destination device;
receiving an interrupt request at the bridge controller from the source device for the destination device, the interrupt request corresponding to the received data; ~~and~~
transferring the data from the bridge controller to the destination device; and
in response to completing the transferring of the data, forwarding the received interrupt request from the bridge controller to the destination device. ~~in response to completing a transfer of the data from the source device to the destination device.~~

2. (Original) The method of Claim 1, further comprising storing the data in a data queue after the receiving the data.

3. (Original) The method of Claim 2, further comprising determining and storing in the data queue a device ID of the source device and an address of the destination device.

4. (Original) The method of Claim 2, further comprising transferring the data from the data queue to the destination device in a first-in-first-out priority and in response to a path to the destination device being available.

5. (Original) The method of Claim 1, further comprising storing the interrupt request in an interrupt queue after the receiving the interrupt request.

6. (Original) The method of Claim 5, further comprising determining and storing in the interrupt queue a device ID of the source device and an address of the destination device.

7. (Original) The method of Claim 5, further comprising transferring the interrupt from the interrupt queue to the destination device in a first-in-first-out priority.

8. (Currently Amended) An apparatus comprising:

a control unit adapted to:

receive data at the control unit from a source device for a destination device;[[,]]

receive an interrupt request at the control unit from the source device for the destination device, the interrupt request corresponding to the received data; ~~and~~

transfer the data from the control unit to the destination device; and

in response to completing the transfer of the data, forward the received interrupt request from the control unit to the destination device. ~~in response to completing a transfer of the data from the source device to the destination device.~~

9. (Original) The apparatus of Claim 8, the control unit further adapted to store the data in a data queue after receiving the data.

10. (Original) The apparatus of Claim 9, the control unit further adapted to determine and store in the data queue a device ID of the source device and an address of the destination device.

11. (Original) The apparatus of Claim 9, the control unit further adapted to transfer the data from the data queue to the destination device in a first-in-first-out priority and in response to a path to the destination device being available.

12. (Original) The apparatus of Claim 8, the control unit further adapted to store the interrupt request in an interrupt queue after receiving the interrupt request.

13. (Original) The apparatus of Claim 12, the control unit further adapted to determine and store in the interrupt queue a device ID of the source device and an address of the destination device.

14. (Original) The apparatus of Claim 12, the control unit further adapted to transfer the interrupts from the interrupt queue to the destination device in a first-in-first-out priority.

15. (Original) A computer program product stored on a computer operable media, the computer program product comprising software code effective to:
receive data from a source device for a destination device;[[,]]
receive an interrupt request from the source device for the destination device, the interrupt request corresponding to the received data; ~~and~~
transfer the data from the bridge controller to the destination device; and
in response to completing the transfer of the data, forward the received interrupt request to the destination device.

~~in response to completing a transfer of the data from the source device to the destination device.~~

16. (Original) The computer program product of Claim 15, the software code further effective to store the data in a data queue after receiving the data.

17. (Original) The computer program product of Claim 16, the software code further effective to determine and store in the data queue a device ID of the source device and an address of the destination device.

18. (Original) The computer program product of Claim 16, the software code further effective to transfer the data from the data queue to the destination device in a first-in-first-out priority and in response to a path to the destination device being available.

19. (Original) The computer program product of Claim 15, the software code further effective to store the interrupt request in an interrupt queue after receiving the interrupt request.

20. (Original) The computer program product of Claim 19, the software code further effective to determine and store in the interrupt queue a device ID of the source device and an address of the destination device.

21. (Original) The computer program product of Claim 19, the software code further effective to transfer the interrupt requests from the interrupt queue to the destination device in a first-in-first-out priority.